

ERROR DISTRIBUTION FOR THE APPROXIMATION OF THE
PIXEL COLOR OF A DIGITAL IMAGE

ABSTRACT

A method of approximation of the respective colors of pixels of a digital image by selecting, from a look-up table and successively for each pixel of the image, a color, the code of which comes close with the smallest error to the sum of the code of the current pixel color and of a correction term, in which the correction term is equal to the smallest error calculated upon approximation of a preceding pixel, assigned with a weighting coefficient depending on the position of the current pixel in the image.

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